

EFFICACY REVIEW

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FILE OR REG. NO. 9688-RTU

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED February 13, 2001

DATE OF SUBMISSION February 13, 2001

DATE SUBMISSION ACCEPTED _____

TYPE PRODUCT(S): (I,)D, H, F, N, R, S _____

DATA ACCESSION NO(S) . 453317-09;D275565;S598705;Case#070102;AC:165

PRODUCT MGR. NO. 03-Layne/Gerber

PRODUCT NAME(S) Chemsico Insect Granules Formula L

COMPANY NAME Chemsico Division of United Industries Corporation

SUBMISSION PURPOSE Provide performance data in support of claims

for rapid destruction of treated colonies of

red imported fire ant by mound and broadcast.

CHEMICAL & FORMULATION Lambda-cyhalothrin 0.04%
(1.021 gms/cu. centimeter bulk density granular)

CONCLUSIONS & RECOMMENDATIONS The data presented in EPA Accession (MRID) Number 453317-09, having been obtained from a standard field test meeting the requirements of § 95-3(c)(1) and (2) on p. 245 and the standard of § 95-3(c)(3)(i) on p. 245 of the Product Performance Guidelines, are adequate to support the label claims for killing fire ants, *Solenopsis invicta*, in 24 hours, including the killing of the entire mound, with the queen, in 24 hours as indicated by a total lack of activity in any of the treated mounds and particularly the 3 excavated mounds in which were found dead queen ants and winged reproductives when examined after (to be continued)

24 hours, and in the remaining 12 unexcavated treated mounds when examined at 48 hours, 1 week and 2 weeks after treatment. Since no claim is made as to the length of time for which this claim is effective, this represents a sort of special case within the usual efficacy standards for mound and broadcast treatment applications. The complete lack of activity at 24 hours and afterward means that the ordinary standard of 90% reduction in active mounds both in their original location and any satellite mounds which may have appeared following treatment as a result of colonies relocating after abandoning the original treatment site, has actually been met and exceeded. This supports the claim for limiting new mound formation that appears on the front panel of the label. Thus, we will waive the requirement that observations for mound application be continued for 30 days after treatment, and for broadcast application be continued for 60 days after treatment. The data submitted supports the specific label claims made for the subject product based on results obtained with 0.5 cup per mound followed by a 1 gallon water drench as a mound treatment, and with 2 pounds per 1,000 sq.ft. as a broadcast application followed by immediate lawn watering.

RL Vern L. McFarland, IB